

Title (en)

ACCESS MANAGEMENT METHOD, AUTHENTICATION POINT, AND AUTHENTICATION SERVER

Title (de)

ZUGANGSVERWALTUNGSVERFAHREN, AUTHENTIFIZIERUNGSPUNKT UND AUTHENTIFIZIERUNGSSERVER

Title (fr)

PROCÉDÉ DE GESTION D'ACCÈS, POINT D'AUTHENTIFICATION ET SERVEUR D'AUTHENTIFICATION

Publication

EP 4192063 A4 20240327 (EN)

Application

EP 21857421 A 20210714

Priority

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- CN 2021106155 W 20210714

Abstract (en)

[origin: EP4192063A1] This application discloses an access management method, an authenticator, and an authentication server, applied to a scenario in which a terminal device accesses a network (for example, a campus network). After completing authentication, a terminal device sends a first packet to an authenticator, where the first packet carries a first IPv6 address of the terminal device and a MAC address of the terminal device. When determining that the first IPv6 address is a new IPv6 address, the authenticator sends, to an authentication server, a second packet carrying the first IPv6 address and the MAC address, so as to indicate the authentication server to send a first authorization policy to a policy enforcement point based on the first IPv6 address. The authenticator can send the new IPv6 address to the authentication server, to enable the authentication server to formulate the first authorization policy for network admission based on the first IPv6 address. Therefore, a service packet of the terminal device can be transmitted, through the policy enforcement point, to an address or a network segment that allows a user to access. Therefore, even if the IPv6 address of the terminal device changes, it can be ensured, as much as possible, that a service is not interrupted.

IPC 8 full level

H04W 12/06 (2021.01); **H04L 9/40** (2022.01); **H04L 61/103** (2022.01); **H04L 61/5007** (2022.01); **H04L 61/503** (2022.01); **H04L 61/5053** (2022.01); **H04L 61/5092** (2022.01); **H04W 12/088** (2021.01); **H04L 101/622** (2022.01); **H04L 101/659** (2022.01)

CPC (source: EP US)

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Citation (search report)

- [I] US 2015237003 A1 20150820 - GHAI RAJAT [US], et al
- [I] US 2014344444 A1 20141120 - WU WENGUO [CN], et al
- [I] CN 104955025 B 20181130
- [A] US 2010107223 A1 20100429 - ZHENG RUOBIN [CN]
- [A] MRUGALSKI M SIODELSKI ISC B VOLZ A YOURTCHENKO CISCO M RICHARDSON SSW S JIANG HUAWEI T LEMON NIBBHAYA CONSULTING T WINTERS UNH-IOL: "Dynamic Host Configuration Protocol for IPv6 (DHCPv6); rfc8415.txt", 21 November 2018 (2018-11-21), pages 1 - 154, XP015129821, Retrieved from the Internet <URL:https://tools.ietf.org/html/rfc8415> [retrieved on 20181121]
- See also references of WO 2022037326A1

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